

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/582,621A  
Source: EFW0  
Date Processed by STIC: 4/20/07

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 04/20/2007

PATENT APPLICATION: US/10/582,621A

TIME: 13:52:24

Input Set : A:\ITR0053YP SEQLIST.TXT

Output Set: N:\CRF4\04202007\J582621A.raw

```

4 <110> APPLICANT: Pallaoro, Michele
5     Gallinari, Paola
6     Altamura, Sergio
7     Steinkuhler, Christian
9 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING HISTONE
10    DEACETYLASE INHIBITORS
12 <130> FILE REFERENCE: ITR0053YP
14 <140> CURRENT APPLICATION NUMBER: 10/582,621A
15 <141> CURRENT FILING DATE: 2006-06-12
17 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/014159
18 <151> PRIOR FILING DATE: 2004-12-10
20 <150> PRIOR APPLICATION NUMBER: 60/530,540
21 <151> PRIOR FILING DATE: 2003-12-18
23 <160> NUMBER OF SEQ ID NOS: 6
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 214
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: P21 minimal promoter
35 <400> SEQUENCE: 1
36 tgctggaact cggccaggct cagctggctc ggcgctgggc agccaggagc ctgggccccg 60
37 gggagggcgg tcccgggcgg cgcggtgggc cgagcgcggg tcccgcctcc ttgaggcggg 120
38 cccgggcggg gcggttgat atcagggccg cgctgagctg cgccagctga ggtgtgagca 180
39 gctgccgaag tcagttcctt gtggagccaa gctt                                214
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 37
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: PCR forward primer
49 <400> SEQUENCE: 2
50 taacggaaga tcttgctgga actcggccag gctcagc                                37
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 44
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: PCR reverse primer
60 <400> SEQUENCE: 3
61 actcgggtgt accaagcttg gctccacaag gaactgactt cggc                                44
63 <210> SEQ ID NO: 4

```

## RAW SEQUENCE LISTING

DATE: 04/20/2007

PATENT APPLICATION: US/10/582,621A

TIME: 13:52:24

Input Set : A:\ITR0053YP SEQLIST.TXT

Output Set: N:\CRF4\04202007\J582621A.raw

64 &lt;211&gt; LENGTH: 5499

65 &lt;212&gt; TYPE: DNA

66 &lt;213&gt; ORGANISM: Artificial Sequence

68 &lt;220&gt; FEATURE:

69 &lt;223&gt; OTHER INFORMATION: Plasmid p21m-BLA

71 &lt;400&gt; SEQUENCE: 4

```

72 gacggatcgg gagatcttgc tggaaactcgg ccaggctcag ctggctcggc gctgggcagc 60
73 caggagcctg ggcggggggg agggcggtcc cgggcggcgc ggtgggcccga gcgcgggtcc 120
74 cgctccttg aggcggggccc gggcgggggcg gttgtatata agggccgcgc tgagctgcgc 180
75 cagctgaggt gtgagcagct gccgaagtca gttccttctg gagccaagct tggtagcacc 240
76 atggaccag aaacgctggt gaaagtaaaa gatgctgaag atcagttggg tgcacgagt 300
77 ggttacatcg aactggatct caacagcggg aagatccttg agagttttcg ccccgaagaa 360
78 cgttttccaa tgatgagcac ttttaaagtt ctgctatgtg gcgcgggtatt atcccgtatt 420
79 gacgcggggc aagagcaact cggtcgcccgc atacactatt ctgagaatga cttgggtgag 480
80 tactaccag tcacagaaaa gcatcttacc gatggcatga cagtaagaga attatgcagt 540
81 gctgccataa ccatgagtga taacactgcg gccaaactac ttctgacaac gatcggagga 600
82 ccgaaggagc taaccgcttt tttgcacaac atgggggatc atgtaactcg ccttgatcgt 660
83 tgggaaccgg agctgaatga agccatacca aacgacgagc gtgacaccac gatgcctgta 720
84 gcaatggca gacggttgcg caaactatta actggcgaac tanttactct agcttcccg 780
85 caacaattaa tagactggat ggaggcggat aaagttgcag gaccacttct gcgctcggcc 840
86 cttccggctg gctggkttat tgctgataaa tctggascgg gtgagcgtgg gtctcgggt 900
87 atcattgcag cactggggcc agatggtaag cctcccgtta tctagttat ctacacgacg 960
88 gggagtcagg caactatgga tgaacgaaat agacagatcg ctgagatagg tgcctcactg 1020
89 attaagcatt ggtaatctag agggccctat tctatagtgt cacctaaatg ctagagctcg 1080
90 ctgatcagcc tcgactgtgc cttctagttg ccagccatct gttgtttgcc cctccccgt 1140
91 gccttccttg accctggaag gtgccactcc cactgtcctt tcctaataaa atgaggaaat 1200
92 tgcacgcat tgtctgagta ggtgtcattc tattctgggg ggtgggggtg ggcaggacag 1260
93 caagggggag gattgggaag acaatagcag gcatgctggg gatgcgggtg gctctatggc 1320
94 ttctgaggcg gaaagaacca gctggggctc tagggggtat cccacgcgc cctgtagcgg 1380
95 cgcatgaagc gcggcggtg tggtggttac gcgcagcgtg accgctacac ttgccagcgc 1440
96 cctagcggcc gctcctttcg cttcttccc ttcctttctc gccacgttcg ccggtttcc 1500
97 ccgtcaagct ctaaactcgg gcaccccttt agggttccga tttagtgtt tacggcacct 1560
98 cgaccccaaa aaacttgatt aggggtgatt ttcacgtagt gggccatcgc cctgatagac 1620
99 ggtttttcgc cctttgacgt tggagtccac gttctttaat agtggactct tgttccaaac 1680
100 tggaaacaaca ctcaacccta tctcgggtcta tctttttgat ttataaggga ttttggggat 1740
101 ttcggcctat tgggttaaaaa atgagctgat ttaacaaaaa tttaacgcga attaatctg 1800
102 tggaatgtgt gtcagttagg gtgtggaaag tcccaggct cccaggcag gcagaagtat 1860
103 gcaaagcatg catctcaatt agtcagcaac caggtgtgga aagtccccag gctccccagc 1920
104 aggcagaagt atgcaaagca tgcactcaa ttagtcagca accatagtc cgcacctaac 1980
105 tccgccatc ccgccctaa ctccgccag tccgcccat tctccgccc atggtgact 2040
106 aatttttttt atttatgcag aggcggaggc cgcctctgcc tctgagctat tccagaagta 2100
107 gtgaggaggc ttttttgag gcctaggctt ttgcaaaaag ctcccgagg cttgtatata 2160
108 cattttcggg tctgatcaag agacaggatg aggatcggtt cgcagattg aacaagatgg 2220
109 attgcacgca ggttctccgg ccgcttgggt ggagaggcta ttcggctatg actgggcaca 2280
110 acagacaatc ggctgctctg atgccgcccgt gttccggctg tcagcgcagg ggcgcccgg 2340
111 tctttttgtc aagaccgacc tgtccggtgc cctgaatgaa ctgcaggacg aggcagcgcg 2400
112 gctatcgtgg ctggccacga cggcggttcc ttgcgcagct gtgctcagc ttgtcactga 2460
113 agcgggaagg gactggctgc tattgggcga agtgccgggg caggatctcc tgtcatctca 2520
114 ccttgctcct gccgagaaa tatccatcat ggctgatgca atgcggcggc tgcatacgct 2580

```

## RAW SEQUENCE LISTING

DATE: 04/20/2007

PATENT APPLICATION: US/10/582,621A

TIME: 13:52:24

Input Set : A:\ITR0053YP SEQLIST.TXT

Output Set: N:\CRF4\04202007\J582621A.raw

```

115 tgatccggct acctgcccac tcgaccacca agcgaacat cgcacgcagc gagcacgtac 2640
116 tcggatggaa gccggctcttg tcgatcagga tgatctggac gaagagcatc aggggctcgc 2700
117 gccagccgaa ctgttcgcca ggctcaaggc gcgcacgccc gacggcgagg atctcgtcgt 2760
118 gacccatggc gatgcctgct tgccgaatat catgggtggaa aatggccgct tttctggatt 2820
119 catcgactgt ggccggctgg gtgtggcgga ccgctatcag gacatagcgt tggctacccg 2880
120 tgatattgct gaagagcttg gcggcgaatg ggctgaccgc ttcctcgtgc tttacgggat 2940
121 cgccgctccc gattccgacg gcacgcctt ctatgcctt cttgacgagt tcttctgagc 3000
122 gggactctgg ggttcgaaat gaccgaccaa ggacgcccac acctgccatc acgagatttc 3060
123 gattccaccg ccgccttcta tgaaagggtg ggcttcggaa tcgttttccg ggacgccggc 3120
124 tggatgatcc tccagcgcgg ggatctcatg ctggagttct tcgcccaccc caacttgttt 3180
125 attgcagctt ataattggtt caaataaagc aatagcatca caaatttcac aaataaagca 3240
126 tttttttcac tgcattctag ttgtggtttg tccaaactca tcaatgtatc ttatcatgtc 3300
127 tgtataccgt cgacctctag ctagagcttg gcgtaatcat ggtcatagct gtttctctgtg 3360
128 tgaaattggt atccgctcac aattccacac aacatacagc ccggaagcat aaagtgtaaa 3420
129 gcctgggggtg cctaattgagt gagctaaact acattaattg cgttgccgtc actgcccgtc 3480
130 ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga 3540
131 ggcggtttgc gtattgggag ctcttcgctt tctcgtctca ctgactcgtc gcgctcggtc 3600
132 gttcggctgc ggcgagcggg atcagctcac tcaaaggcgg taatacgggt atccacagaa 3660
133 tcaggggata aggcaggaaa caacctgtcg ccaaaaggcc agcaaaaggc caggaaacct 3720
134 aaaaaggccg cgttgctggc gtttttccat aggcctcggc cccctgacga gcatacaaaa 3780
135 aatcgacgct caagtcagag gtggcgaaac ccgacaggac tataaagata ccaggcggtt 3840
136 cccctggaa gctccctcgt gcgctctcct gttccgaccc tgccgcttac cggataacctg 3900
137 tccgcctttc tcccttcggg aagcgtggcg ctttctcaat gctcacgctg taggtatctc 3960
138 agttcggtgt aggtcgttcg ctccaagctg ggctgtgtgc acgaaccccc cgttcagccc 4020
139 gaccgctgcg ccttatccgg taactatcgt cttgagttca acccggttaag acacgactta 4080
140 tcgccactgg cagcagccac tggtaacagg attagcagag cgaggtatgt aggcggtgct 4140
141 acagagttct tgaagtgggt gcctaactac ggctacacta gaaggacagt atttggtatc 4200
142 tgcgctctgc tgaagccagt taccttcgga aaaagagttg gtacgtcttg atccggcaaa 4260
143 caaaccaccg ctggtagcgg tgggtttttt gtttgcaagc agcagattac gcgcagaaaa 4320
144 aaaggatctc aagaagatcc tttgatcttt tctacggggt ctgacgctca gtggaacgaa 4380
145 aactcacgta aagggtttt ggtcatgaga ttatcaaaaa ggatcttcac ctagatcctt 4440
146 ttaaataaaa aatgaagttt taaatcaact taaagtatat atgagtaaac ttggtctgac 4500
147 agttaccaat gcttaactag tgaggcacct actcagcga tctgtctatt tcggtcatcc 4560
148 atagttgcct gactccccgt cgtgtagata actacgatac gggagggtt accatctggc 4620
149 cccagtgtg caatgatacc gcgagaccca cgctcaccgg ctccagattt atcagcaata 4680
150 aaccagccag ccggaaggcg cgagcgcaga agtggtcctg caactttatc cgcctccatc 4740
151 cagtctatta attgttgccg ggaagctaga gtaagtagtt cgccagttaa tagtttgcg 4800
152 aacgttggtt ccattgctac aggcacgtg gtgtcacgct cgtcgttttg tatggcttca 4860
153 ttcagctccg gttcccaacg atcaaggcga gttacatgat ccccatgtt gtgcaaaaaa 4920
154 gcggttagct cttcgggtcc tccgatcgtt gtcagaagta agttggccgc agtggtatca 4980
155 ctcatggtta tggcagcact gcataattct cttactgtca tgccatccgt aagatgcttt 5040
156 tctgtgactg gtgagtactc aaccaagtca ttctgagaat agtgtatgcg gcgaccgagt 5100
157 tgctcttgcc cggcgtcaat acgggataat accgcgccac atagcagaac tttaaaagtg 5160
158 ctcatcattg gaaaacgttc ttcggggcga aaactctcaa ggatcttacc gctgttgaga 5220
159 tccagttcga tgtaaccac tcgtgcaccc aactgatctt cagcatcttt tactttcacc 5280
160 agcgtttctg ggtgagcaaa aacaggaagg caaatgccg caaaaaaggg aataaggcg 5340
161 acacggaaat gttgaatact catactcttc ctttttcaat attattgaag ctttatcag 5400
162 gggtattgtc tcatgagcgg atacatattt gaatgtattt agaaaaataa acaaataggg 5460
163 gttccgcgca catttccccg aaaagtgcc cctgacgtc 5499

```

## RAW SEQUENCE LISTING

DATE: 04/20/2007

PATENT APPLICATION: US/10/582,621A

TIME: 13:52:24

Input Set : A:\ITR0053YP SEQLIST.TXT

Output Set: N:\CRF4\04202007\J582621A.raw

165 <210> SEQ ID NO: 5  
166 <211> LENGTH: 24  
167 <212> TYPE: DNA  
168 <213> ORGANISM: Artificial Sequence  
170 <220> FEATURE:  
171 <223> OTHER INFORMATION: PCR forward primer  
173 <400> SEQUENCE: 5  
174 cgcgacatt tccccgaaaa gtgc 24  
176 <210> SEQ ID NO: 6  
177 <211> LENGTH: 27  
178 <212> TYPE: DNA  
179 <213> ORGANISM: Artificial Sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: PCR reverse primer  
184 <400> SEQUENCE: 6  
185 gcatttaggt gacactatag aataggg 27

VERIFICATION SUMMARY

DATE: 04/20/2007

PATENT APPLICATION: US/10/582,621A

TIME: 13:52:25

Input Set : A:\ITR0053YP SEQLIST.TXT

Output Set: N:\CRF4\04202007\J582621A.raw